

Withlacoochee Regional Water Supply Authority
Water Supply Plan Update
Progress Report #10 (December 2013)

Cardno ENTRIX

3905 Crescent Park Drive
Riverview, FL 33578
USA

Phone 813 664 4500
Toll-free 800 368 7511
Fax 813 664 0440
www.cardno.com

www.cardnoentrix.com

1) Task 2. Availability of Ground- and Surface Water

We are continuing efforts to work with SWFWMD to coordinate the impact modeling of proposed wellfields. SWFWMD delivered their updated and expanded Northern District model in September but they are doing additional work on the 2010 and 2035 calibration for the model.

We have completed our re-evaluation of the need for and locations of the wellfields proposed in the WRWSA's 2010 Water Supply Plan Update. The re-evaluation was based on the 2035 population and water demand projections that have recently been developed. As part of this effort we developed groundwater deficit/surplus maps for the year 2035 based on projected demands for utility service areas vs. permitted groundwater quantities. We then met with the directors and staffs of Hernando, Citrus, and Marion County utilities and the City of Wildwood Utilities and presented the deficit/surplus maps to them. Based on feedback received, locations of potential wellfields have been revised. The Northern District Model will be used to determine how the withdrawals from these wellfields could impact MFL waterbodies.

2) Task 3. Water Conservation and Reclaimed Water Strategies

Continued to work with the University of Florida EZ Guide staff to assist in their efforts to complete the EZ Guide modeling for public supply utilities.